

What is claimed is:

1. A method of updating a computer system, the method comprising:

receiving at least one first set of update information;

5 requesting at least one second set of update information responsive to at least a size of the first set of update information; and

updating the computer system responsive to at least the first set of update information received.

2. The method of claim 1 wherein the updating step comprises deleting at least one set of information, said at least one set of information stored on the computer system prior to the receiving step, responsive to the first set of  
5 update information received.

3. The method of claim 1, additionally comprising:

receiving at least one third set of update information;

updating the computer system responsive to at least  
5 the third set of update information received; and wherein

a difference in times between a performance of each of the receiving the third set of update information and the

updating the computer system responsive to at least the  
first set of update information is larger than at least one  
10 selected from:

a difference in times between a performance of each of  
the receiving the first set of update information and the  
updating the computer system responsive to at least the  
first set of update information; and

15 a difference in times between a performance of each of  
the receiving the third set of update information and the  
updating the computer system responsive to at least the  
third set of update information.

4. The method of claim 1 wherein the requesting step  
is additionally responsive to a size of an area into which  
update information may be stored.

5. A method of updating a computer system, the method  
comprising:

requesting on a first occasion a first set of update  
information for a first set of information responsive to a  
5 list comprising at least one identifier of the first set of  
information and at least one identifier of a second set of  
information;

receiving the first set of update information  
responsive to the request;

10           modifying the first set of information responsive to  
             the first set of update information received;

            requesting on a second occasion, following the first  
             occasion, a second set of update information for the first  
             set of information before any update information for the  
 15   second set of information is requested following the first  
             occasion.

6.   The method of claim 5:

            wherein a combination of the first set of update  
             information and the any update information for the second  
             set of information exceeds a storage size; and

5           additionally comprising requesting update information  
             for the second set of information responsive to at least a  
             size of the second set of update information for the first  
             set of information not larger than the storage size.

7.   The method of claim 6 wherein:

            the list has an order; and

            the at least one identifier of the first set of  
             information is ordered prior to the at least one identifier  
 5   of the second set of information.

8.   A computer program product comprising a computer  
             useable medium having computer readable program code

embodied therein for updating a computer system, the computer program product comprising:

5 computer readable program code devices configured to cause a computer to receive at least one first set of update information;

computer readable program code devices configured to cause a computer to request at least one second set of  
10 update information responsive to at least a size of the first set of update information; and

computer readable program code devices configured to cause a computer to update the computer system responsive to at least the first set of update information received.

9. The computer program product of claim 8 wherein the computer readable program code devices configured to cause a computer to update comprise computer readable program code devices configured to cause a computer to  
5 delete at least one set of information, said at least one set of information stored on the computer system prior to the receiving step, responsive to the first set of update information received.

10. The computer program product of claim 8, additionally comprising:

computer readable program code devices configured to  
cause a computer to receive at least one third set of  
5 update information;

computer readable program code devices configured to  
cause a computer to update the computer system responsive  
to at least the third set of update information received;

and wherein a difference in times between an operation  
10 of each of the computer readable program code devices  
configured to cause a computer to receive the third set of  
update information and the computer readable program code  
devices configured to cause a computer to update the  
computer system responsive to at least the first set of  
15 update information is larger than at least one selected  
from:

a difference in times between an operation of each of  
the computer readable program code devices configured to  
cause a computer to receive the first set of update  
20 information and the computer readable program code devices  
configured to cause a computer to update the computer  
system responsive to at least the first set of update  
information; and

a difference in times between an operation of each of  
25 the computer readable program code devices configured to

cause a computer to receive the third set of update  
information and the computer readable program code devices  
configured to cause a computer to update the computer  
system responsive to at least the third set of update  
30 information.

11. The computer program product of claim 8 wherein  
the computer readable program code devices configured to  
cause a computer to request are additionally responsive to  
a size of an area into which update information may be  
5 stored.

12. A computer program product comprising a computer  
useable medium having computer readable program code  
embodied therein for updating a computer system, the  
computer program product comprising:

5 computer readable program code devices configured to  
cause a computer to request on a first occasion a first set  
of update information for a first set of information  
responsive to a list comprising at least one identifier of  
the first set of information and at least one identifier of  
10 a second set of information;

computer readable program code devices configured to  
cause a computer to receive the first set of update  
information responsive to the request;

computer readable program code devices configured to  
15 cause a computer to modify the first set of information  
responsive to the first set of update information received;

computer readable program code devices configured to  
cause a computer to request on a second occasion, following  
the first occasion, a second set of update information for  
20 the first set of information before any update information  
for the second set of information is requested following  
the first occasion.

13. The computer program product of claim 12:

wherein a combination of the first set of update  
information and the any update information for the second  
set of information exceeds a storage size; and

5 additionally comprising computer readable program code  
devices configured to cause a computer to request update  
information for the second set of information responsive to  
at least a size of the second set of update information for  
the first set of information not larger than the storage  
10 size.

14. The computer program product of claim 13 wherein:  
the list has an order; and

the at least one identifier of the first set of  
information is ordered prior to the at least one identifier  
5 of the second set of information.

15. A system for updating a computer system, the  
system comprising:

a holding area manager for identifying and providing  
at a size output a size of at least one first set of update  
5 information received at an input, and providing a signal at  
an update output responsive to at least the size exceeding  
a storage amount;

a requester having an input coupled to the holding  
area manager size output for receiving the size, the  
10 requester for requesting at an output at least one second  
set of update information responsive to the size received  
at the requester input; and

an installer/deleter having an input coupled to the  
holding area manager update output for receiving the  
15 signal, the installer/deleter for updating the computer  
system via an output responsive to the signal and at least  
the first set of update information received at an update  
input.

16. The system of claim 15 wherein the  
installer/deleter updates the computer system by generating



at a command output at least one command, responsive to the  
first set of update information received, to delete at  
5 least one set of information said at least one set of  
information stored on the computer system prior to the  
holding area manager identifying and providing the size.

17. The system of claim 15, wherein:

the requester additionally requests at the requester  
output at least one third set of update information;

the installer/deleter additionally updates the  
5 computer system responsive to at least the third set of  
update information received at the update input; and

a difference in times between the requester requesting  
the third set of update information and the  
installer/deleter updating the computer system responsive  
10 to at least the first set of update information is larger  
than at least one selected from:

a difference in times between the holding area manager  
identifying the size of the first set of update information  
and the installer/deleter updating the computer system  
15 responsive to at least the first set of update information;  
and

a difference in times between the requester requesting  
the third set of update information and the

installer/deleter updating the computer system responsive  
20 to at least the third set of update information.

18. The system of claim 15 wherein the requester requests the at least one second set of update information additionally responsive to a size of an area into which at least the second set of update information may be stored.

19. A system of updating a computer system, the system comprising:

a requester having an input for receiving a list comprising at least one identifier of a first set of  
5 information and at least one identifier of a second set of information, the requester for:

providing at an output during a first occasion a request for a first set of update information for the first set of information responsive to the list; and

10 providing at the output on a second occasion, following the first occasion, a request for a second set of update information for the first set of information before any update information for the second set of information is requested;

15 a holding area manager having an input for receiving the first set of update information responsive to the request; and

an installer/deleter having an input coupled to the  
holding area manager for receiving the first set of update  
20 information, the installer deleter for providing at least  
one command at an output to modify the first set of  
information responsive to the first set of update  
information received at the installer/deleter input.

20. The system of claim 19:

wherein a combination of the first set of update  
information and the any update information for the second  
set of information exceeds a storage size; and

5 the requester is additionally for providing a request  
for update information for the second set of information  
responsive to at least a size of the second set of update  
information for the first set of information not larger  
than the storage size.

21. The system of claim 20 wherein:

the list has an order; and

the at least one identifier of the first set of  
information is ordered prior to the at least one identifier  
5 of the second set of information.